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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference WPP290112	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. PCT/GB2005/050042	International filing date (day/month/year) 23/03/2005	(Earliest) Priority Date (day/month/year) 23/03/2004
Applicant BABRAHAM INSTITUTE		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 05 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 36.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 01

☐ as suggested by the applicant.

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G01N33/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

 Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
 EPO-Internal, BIOSIS, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	WALKER SIMON A ET AL: "Identification of a Ras GTPase-activating protein regulated by receptor-mediated Ca ²⁺ oscillations" EMBO (EUROPEAN MOLECULAR BIOLOGY ORGANIZATION) JOURNAL, vol. 23, no. 8, April 2004 (2004-04), pages 1749-1760, XP002348353 ISSN: 0261-4189 page 1750 - page 1757 ----- -/--	1-38



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

10 October 2005

Date of mailing of the international search report

07/11/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BIVONA TREVER G ET AL: "Phospholipase Cgamma activates Ras on the Golgi apparatus by means of RasGRP1." NATURE (LONDON), vol. 424, no. 6949, 7 August 2003 (2003-08-07), pages 694-698, XP002348354 ISSN: 0028-0836 page 696 - page 698	1-38
Y	LOCKYER P J ET AL: "CAPRI REGULATES CA2+-DEPENDENT INACTIVATION OF THE RAS-MAPK PATHWAY" CURRENT BIOLOGY, CURRENT SCIENCE,, GB, vol. 11, no. 12, 2001, pages 981-986, XP001183507 ISSN: 0960-9822 the whole document	1-38
Y	WALKER S A ET AL: "Control of Ras cycling by Ca<2+>" FEBS LETTERS, ELSEVIER, AMSTERDAM, NL, vol. 546, no. 1, 3 July 2003 (2003-07-03), pages 6-10, XP004433612 ISSN: 0014-5793 page 6 - page 8	1-38
Y	WALKER SIMON A ET AL: "Analyzing the role of the putative inositol 1,3,4,5-tetrakisphosphate receptor GAP1P4BP in intracellular Ca2+ homeostasis." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 277, no. 50, 13 December 2002 (2002-12-13), pages 48779-48785, XP002348355 ISSN: 0021-9258 page 48780 - page 48784	1-38
X	CULLEN P J ET AL: "INTEGRATION OF CALCIUM AND RAS SIGNALLING" NATURE REVIEWS MOLECULAR CELL BIOLOGY, MACMILLAN MAGAZINES, LONDON, GB, vol. 3, no. 5, May 2002 (2002-05), pages 339-348, XP009036294 page 344; figure 3	1-38

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LOGAN-SMITH MELANIE J ET AL: "Curcumin, a molecule that inhibits the Ca ²⁺ -ATPase of sarcoplasmic reticulum but increases the rate of accumulation of Ca ²⁺ " JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 276, no. 50, 14 December 2001 (2001-12-14), pages 46905-46911, XP002348356 ISSN: 0021-9258 abstract	1-38
P,X	WO 2005/003783 A (BABRAHAM INSTITUTE; LOCKYER, PETER) 13 January 2005 (2005-01-13) page 36 - page 44	1-38
A	US 6 514 709 B1 (GRANT STEPHAN K ET AL) 4 February 2003 (2003-02-04) abstract; claims	1-38

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2005003783	A	13-01-2005	NONE	
US 6514709	B1	04-02-2003	NONE	

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